What Is Claimed Is:

1.   A method for associating a line track with a target for a passive coherent location system, comprising:

receiving a detection report having said line track corresponding to said target;

computing a target state using measurements of said line track;

computing a state covariance using said measurement of said line track;

scoring said line track according to said target state and said state covariance; and

assigning said line track to a target track according to said scoring.